

Linked Data for Crisis Management

Symposium Linked Data NL

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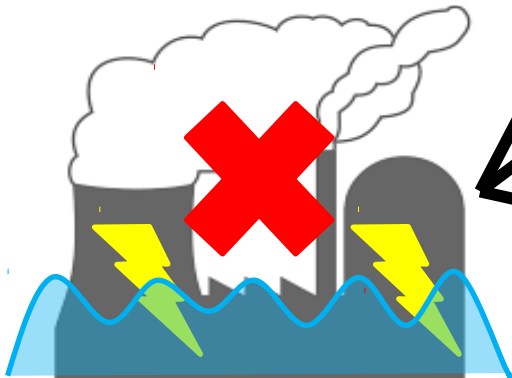
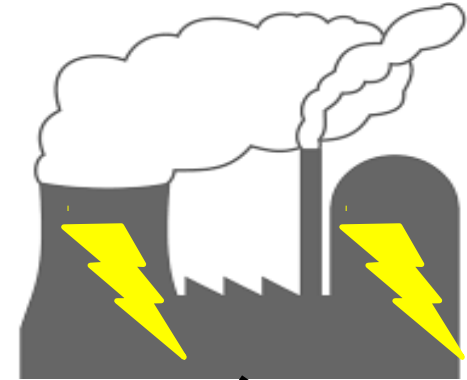
The Crisis Scenario



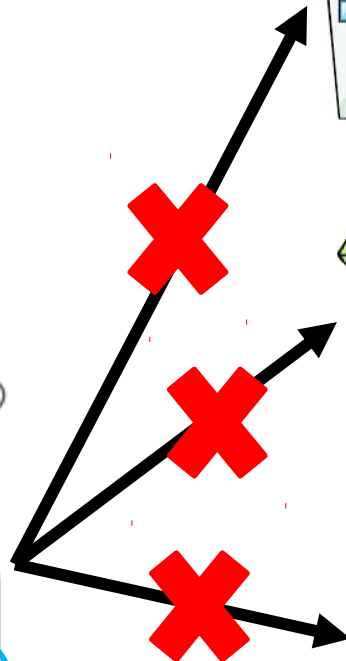
HHNK



Alliander

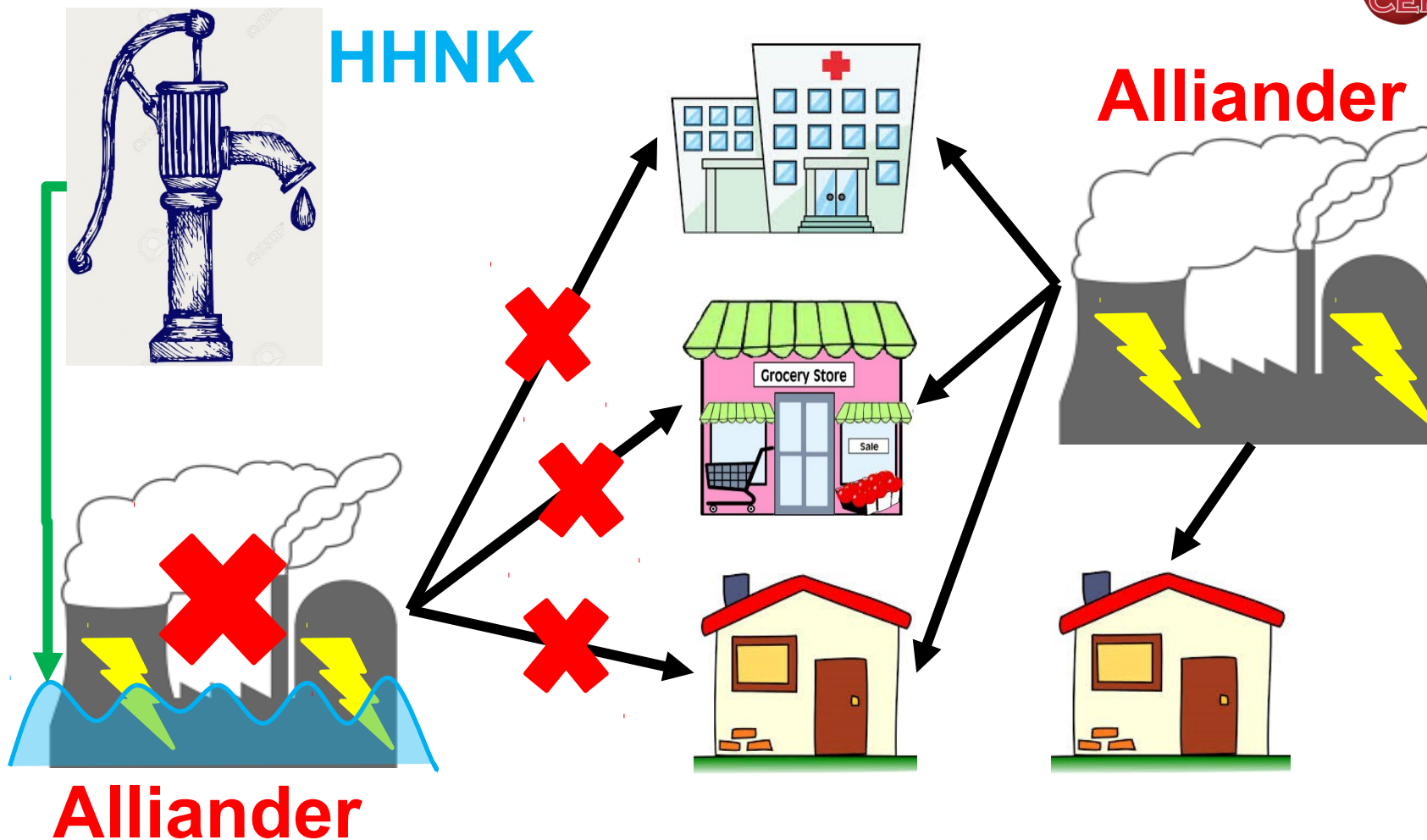


Alliander





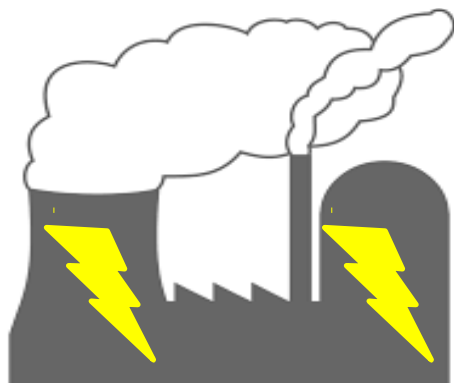
The Crisis Scenario



Current Solution



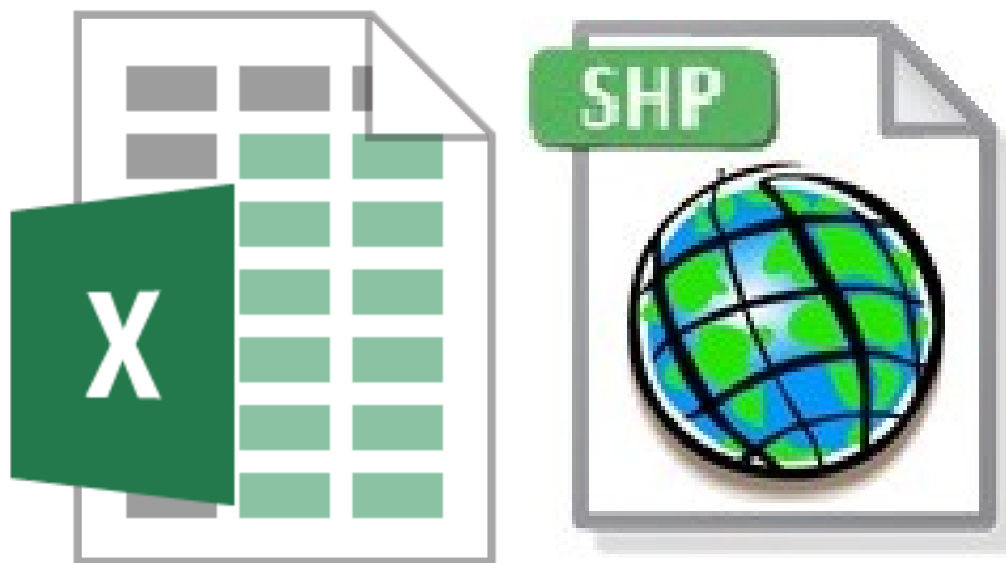
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Linked Data Solution



Excel and Shape files

Linked Data Solution







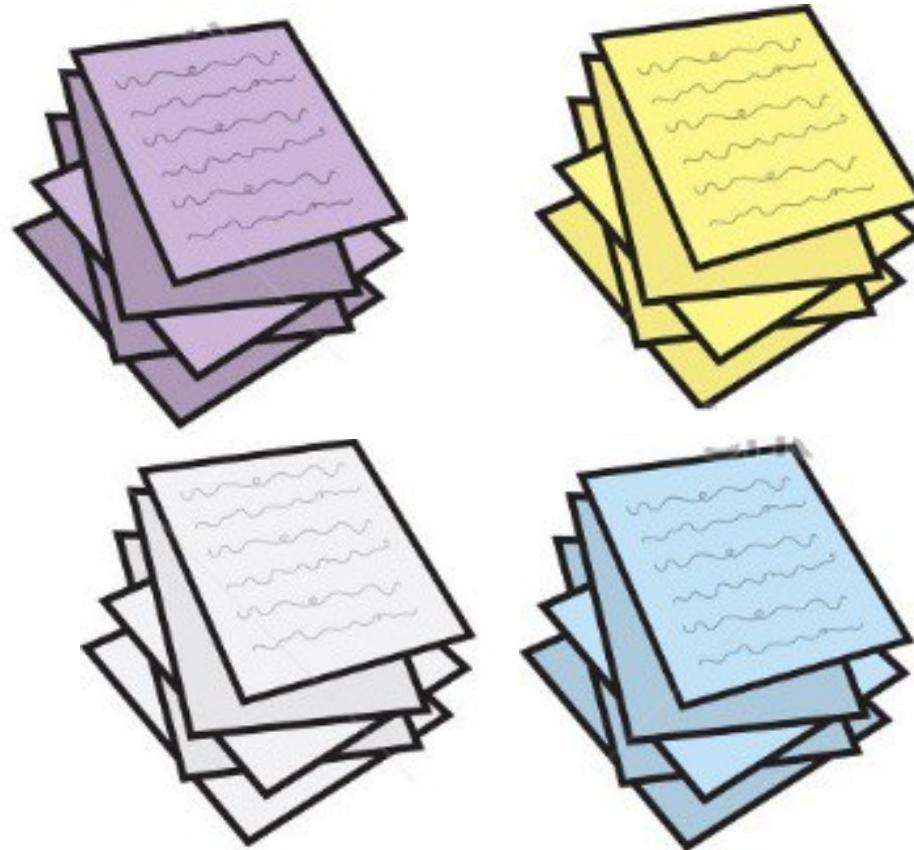


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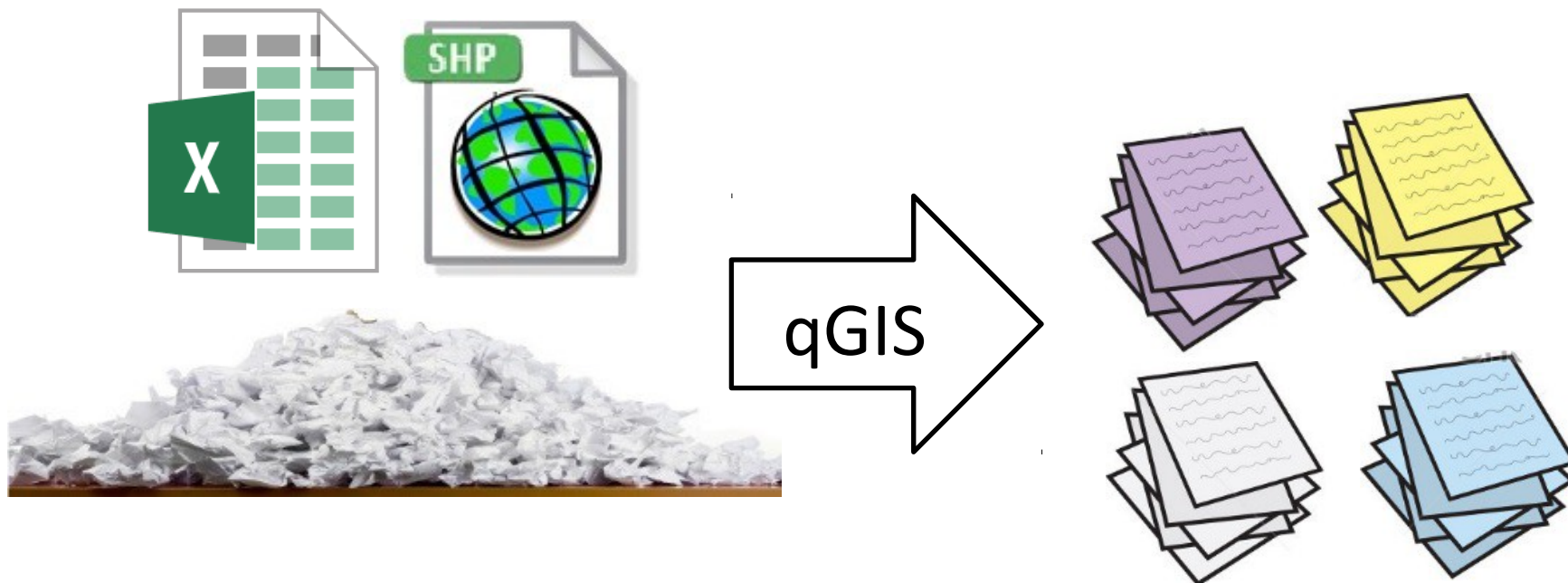
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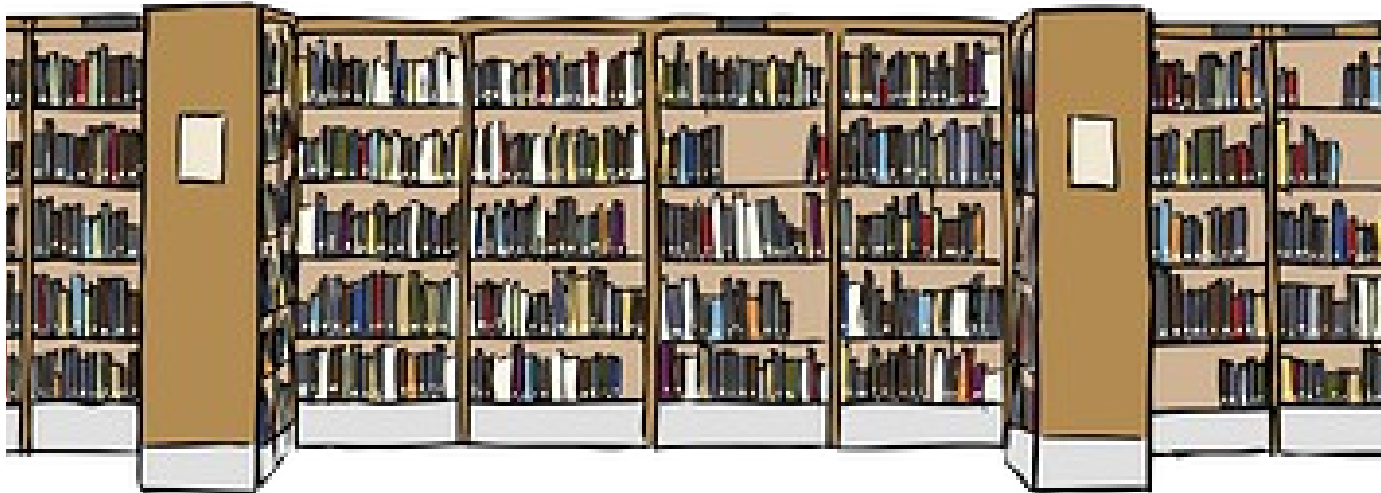
Linked Data Solution



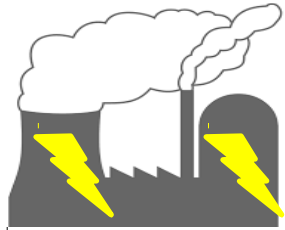
Linked Data Solution



Linked Data Solution: Our Ontology



Linked Data Solution: Our Ontology



Electrical Asset

- Location
- Supply Area

supplies e.

User

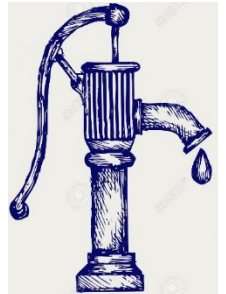
- Location



drains

Pumping Station

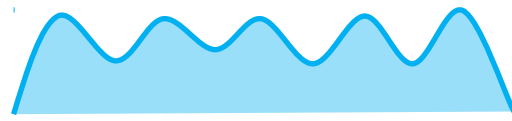
- Location



threatens

Water Level

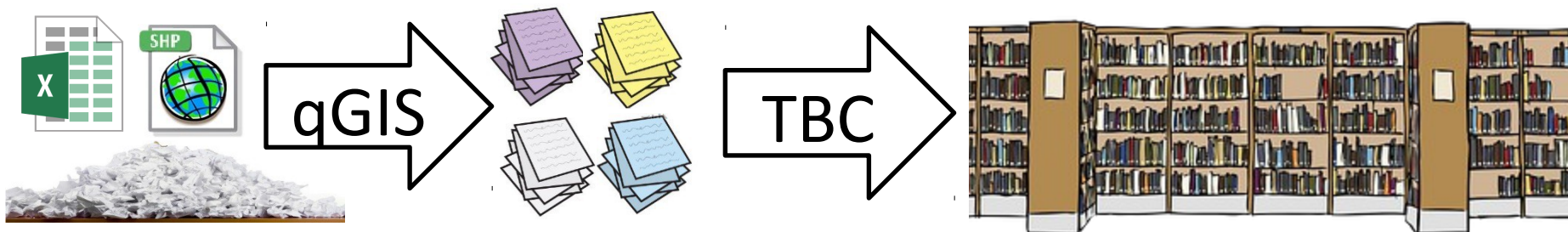
- Height



Linked Data Solution



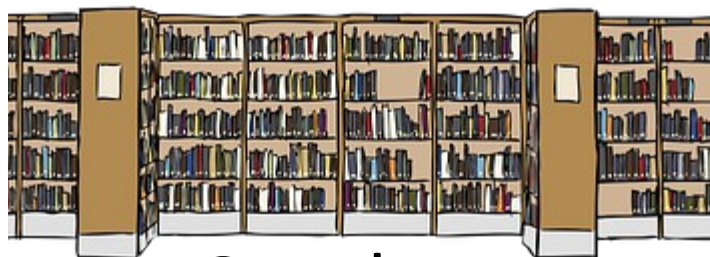
TopBraid Composer



Linked Data Solution: The Future

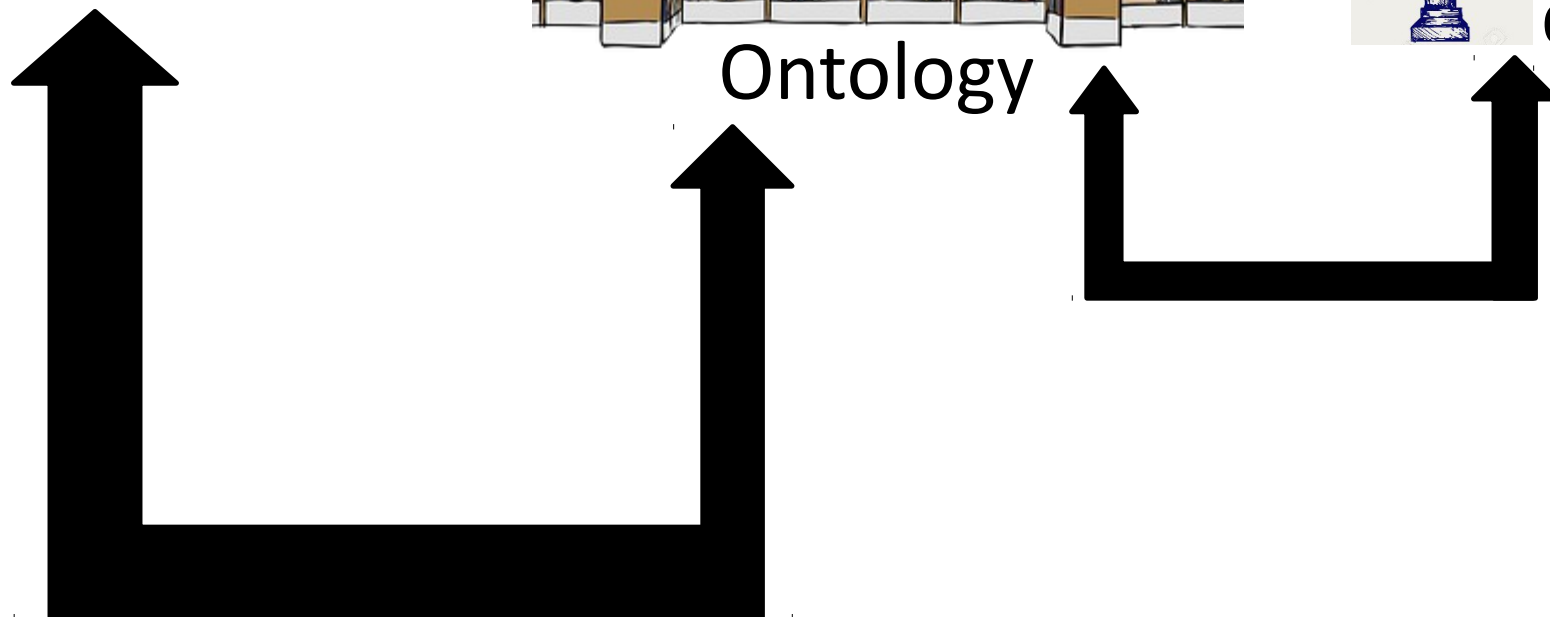


Alliander



Ontology

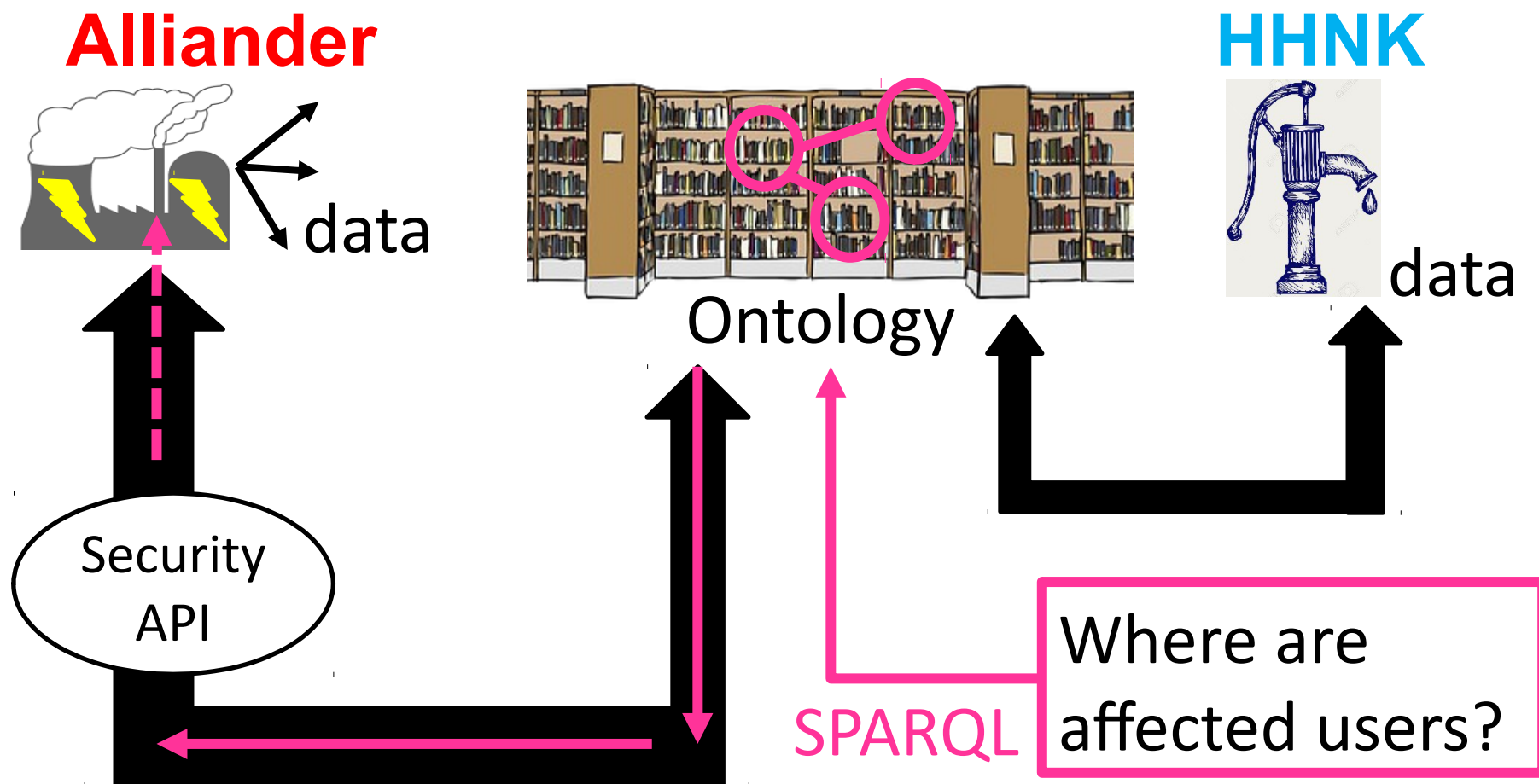
HHNK



Where are affected Users?



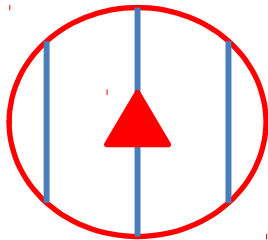
Linked Data Solution: The Future



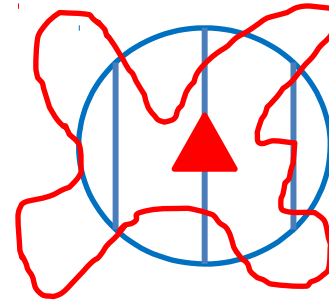
Challenge 1: Postcodes



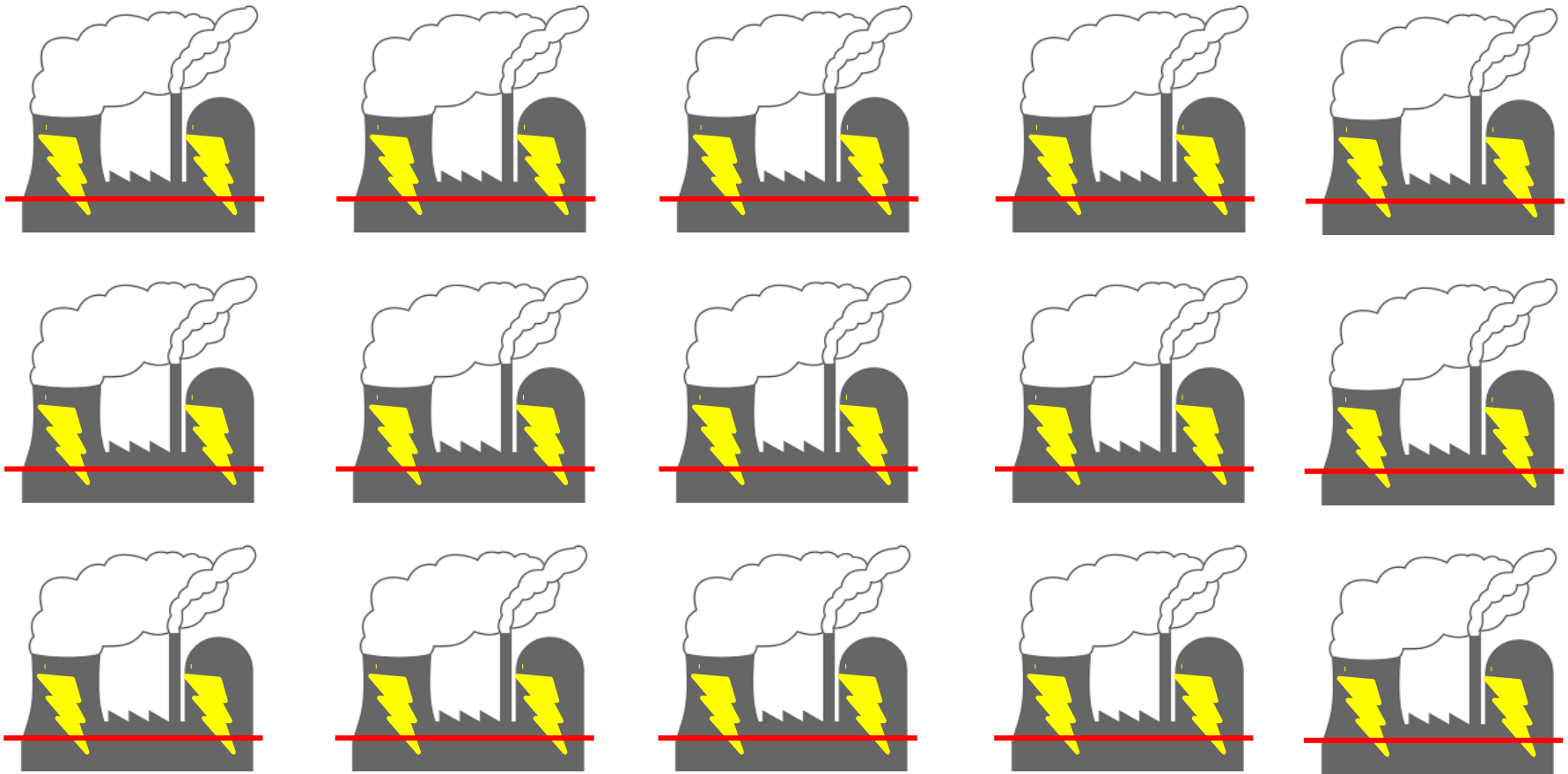
Heerhugowaard



Amsterdam



Challenge 2: Water Resistance Threshold



Challenge 3: Missing data



Implications 1



- Data quality and availability are crucial

Implications 2



- Wider use of Linked Data is necessary

